

FIG.1

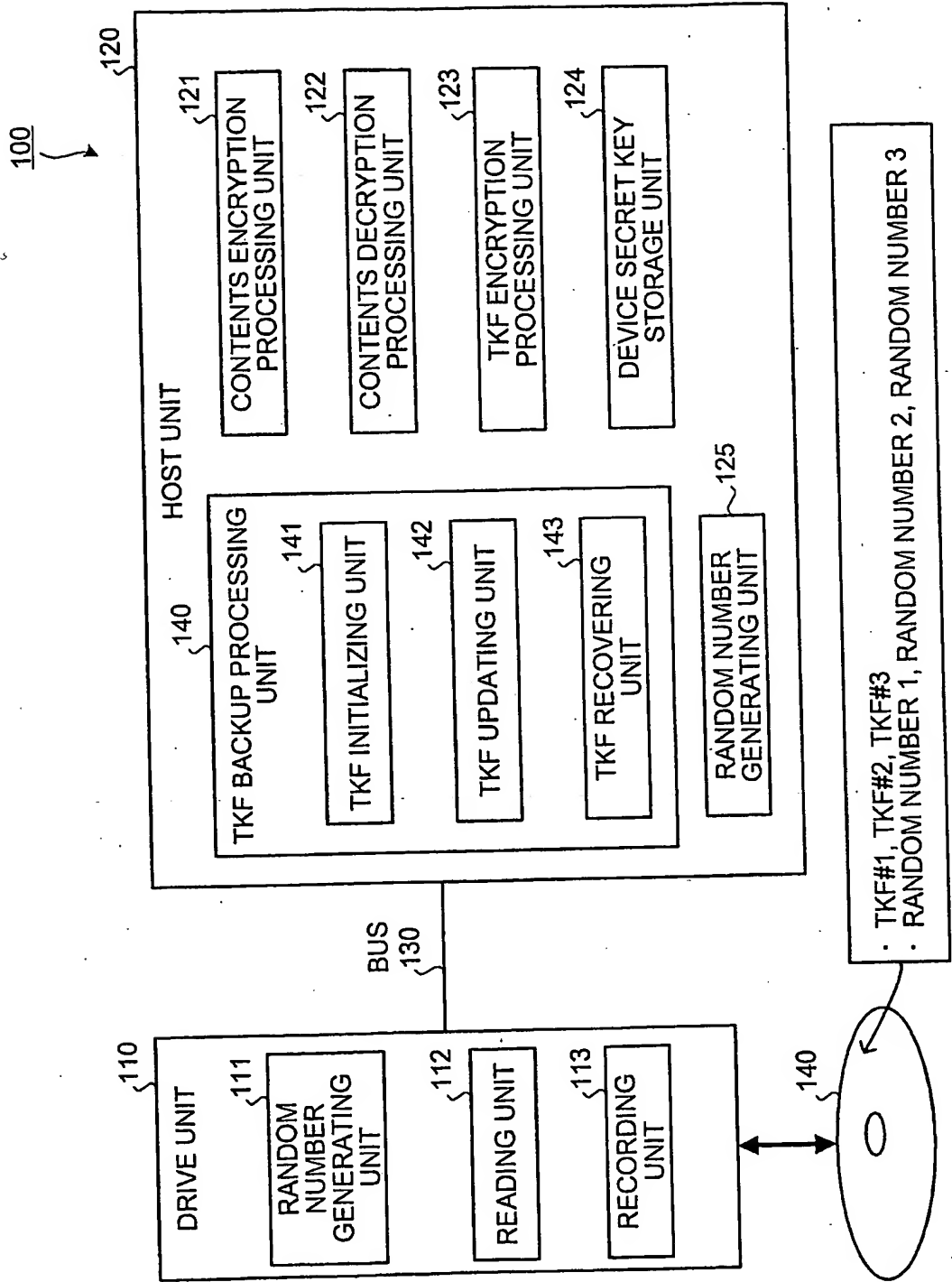


FIG.2

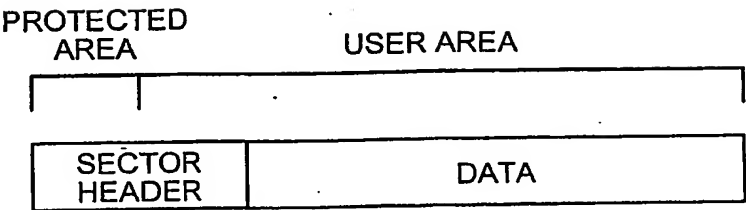
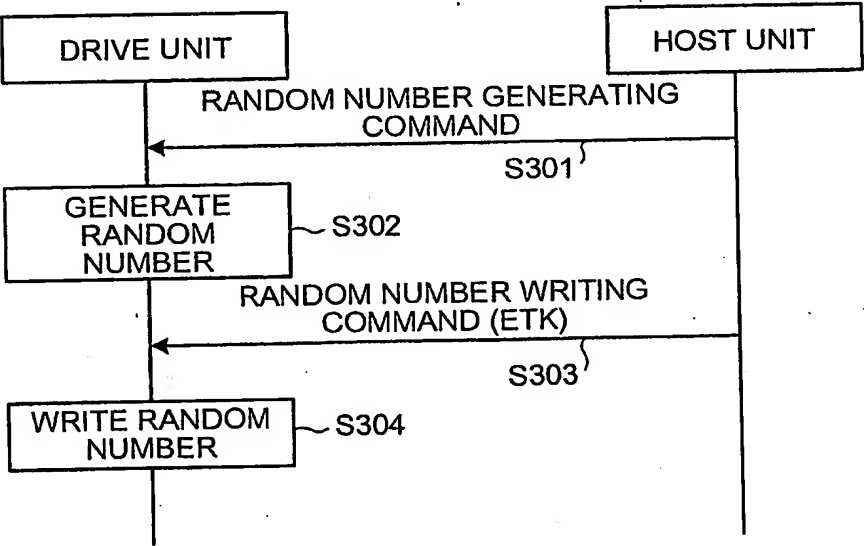
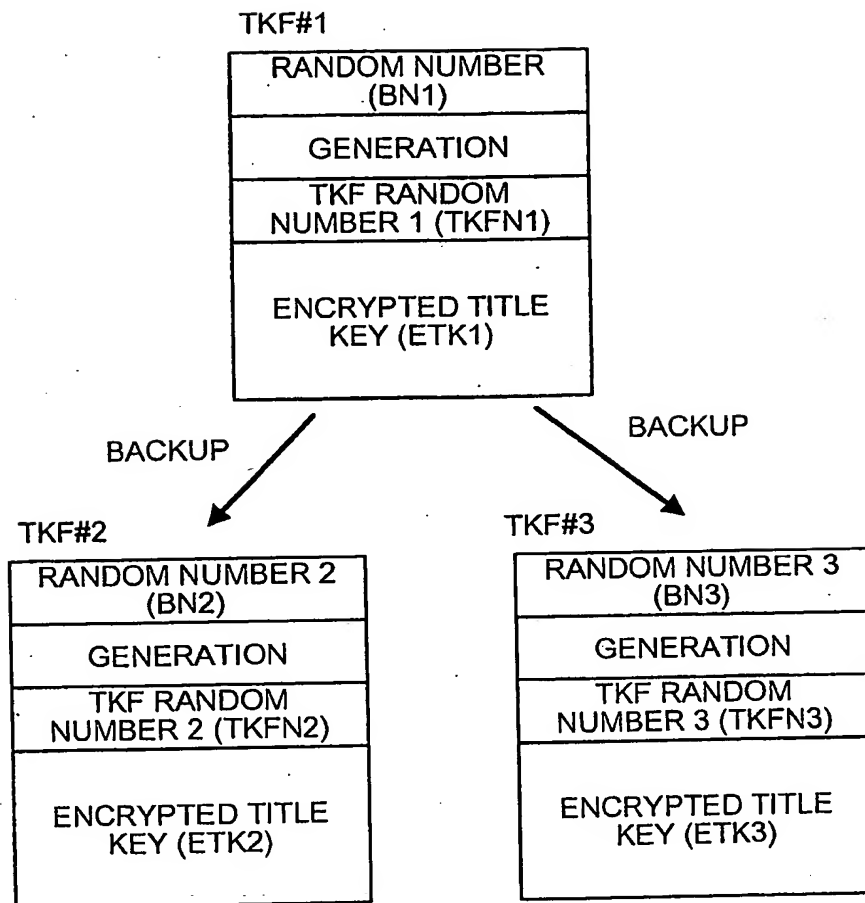


FIG.3



3/19

FIG.4A



$$\begin{aligned} \text{ETK1} &= f(\text{TK}, \text{BN1}, \text{TKFN3}) \\ \text{ETK2} &= f(\text{TK}, \text{BN2}, \text{TKFN1}) \\ \text{ETK3} &= f(\text{TK}, \text{BN3}, \text{TKFN2}) \end{aligned}$$

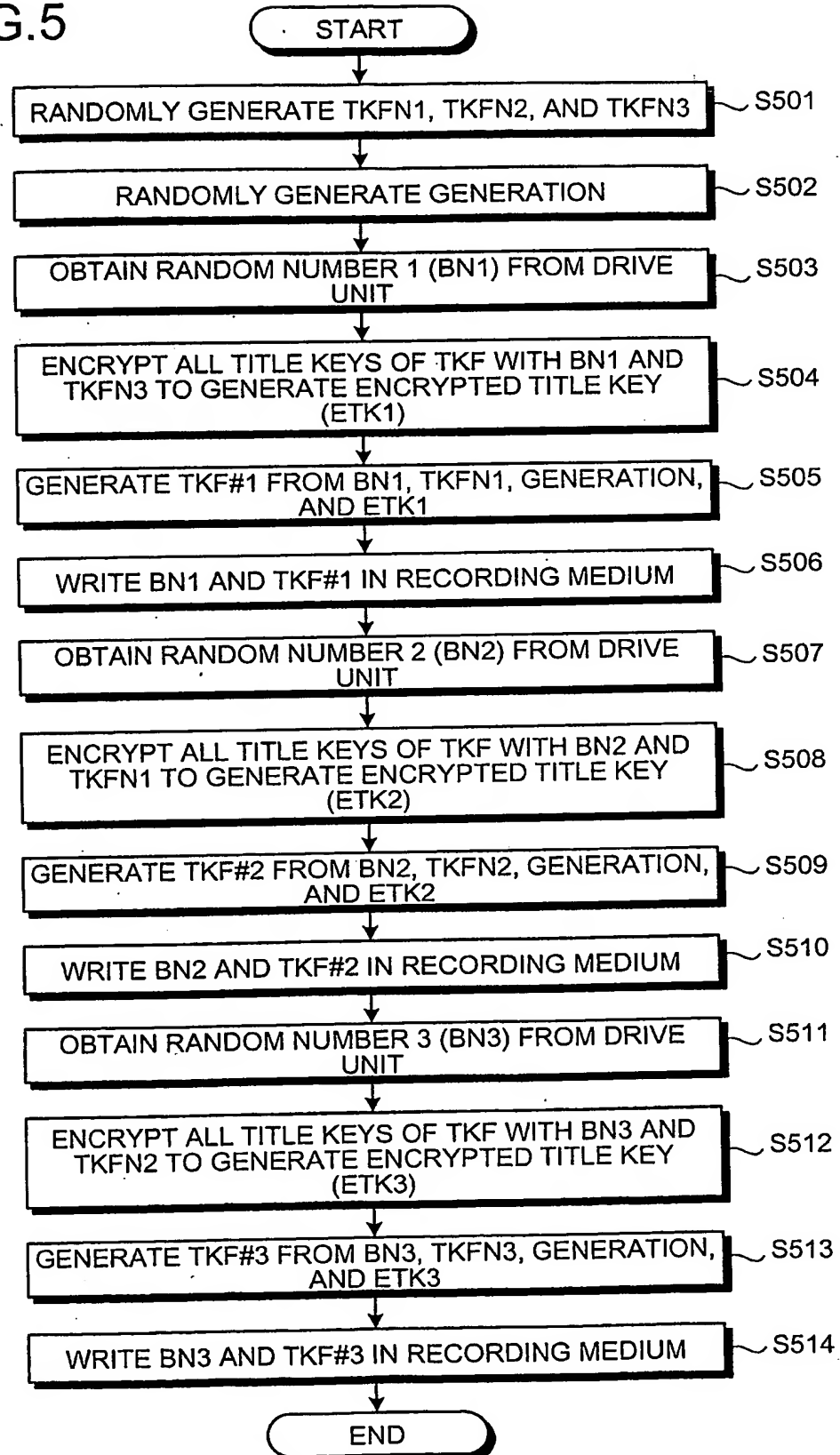
FIG.4B

ETK1 TO ETK3

ENCRYPTED TITLE KEY 1
ENCRYPTED TITLE KEY 2
ENCRYPTED TITLE KEY 3
⋮
ENCRYPTED TITLE KEY n

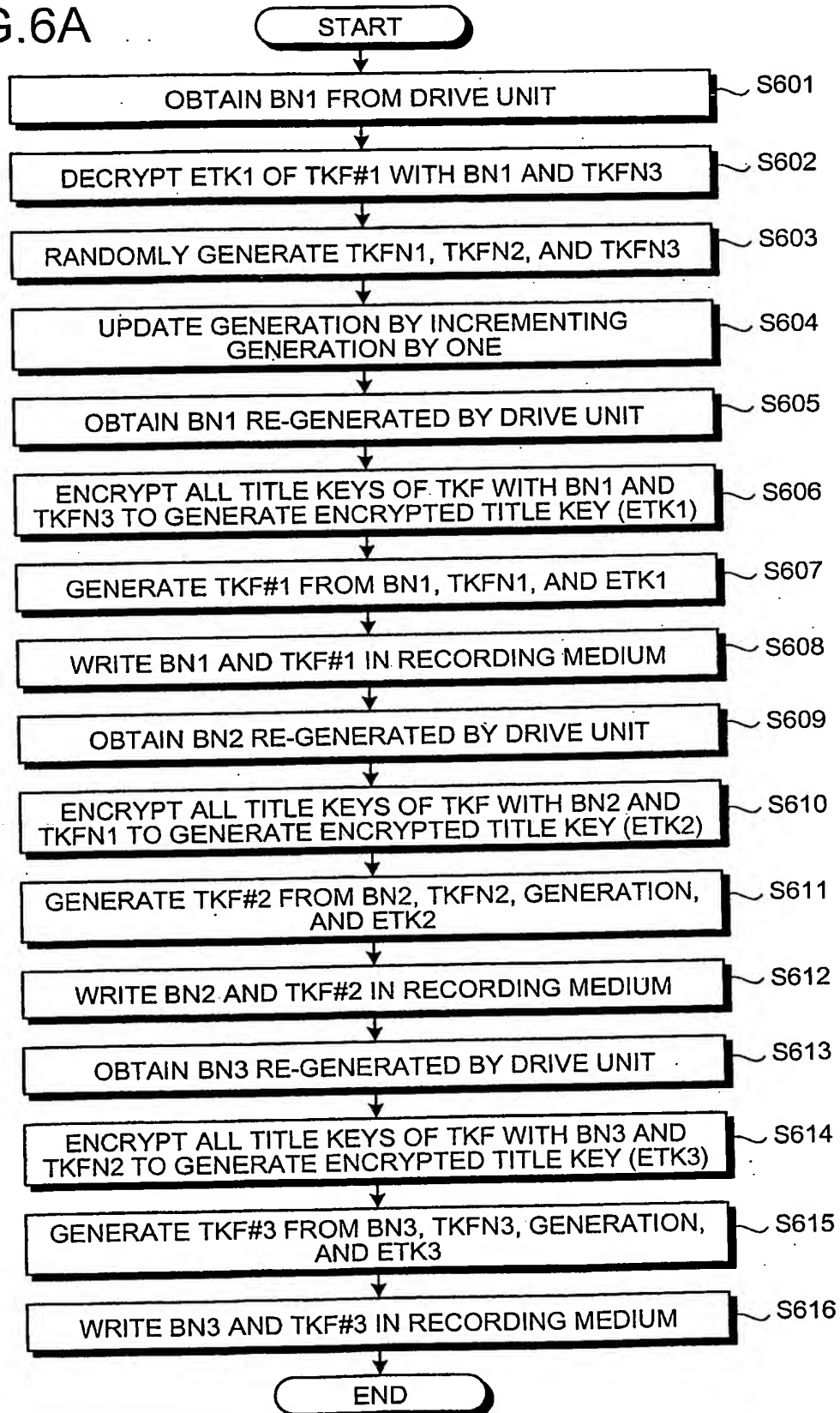
4/19

FIG.5



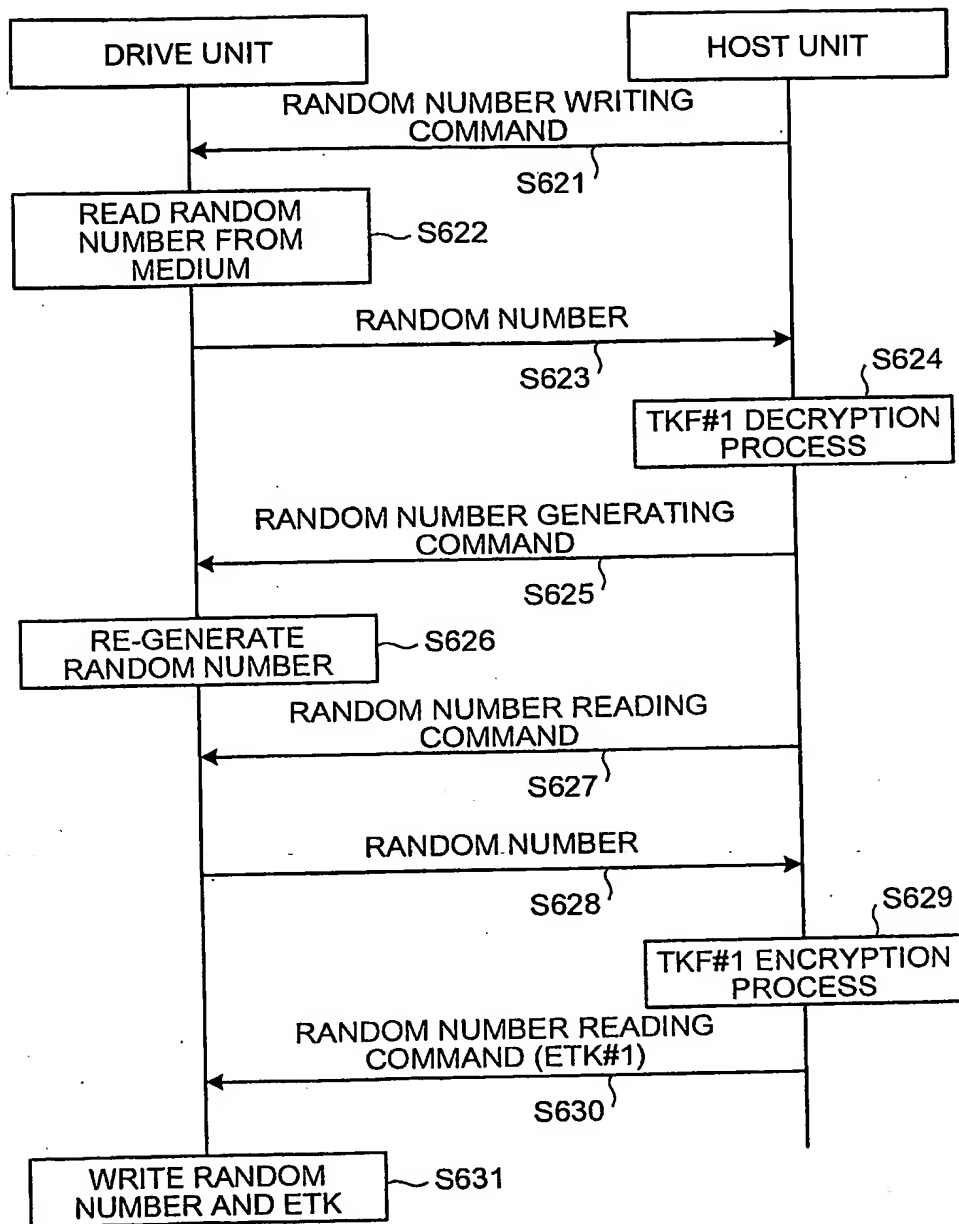
5/19

FIG.6A



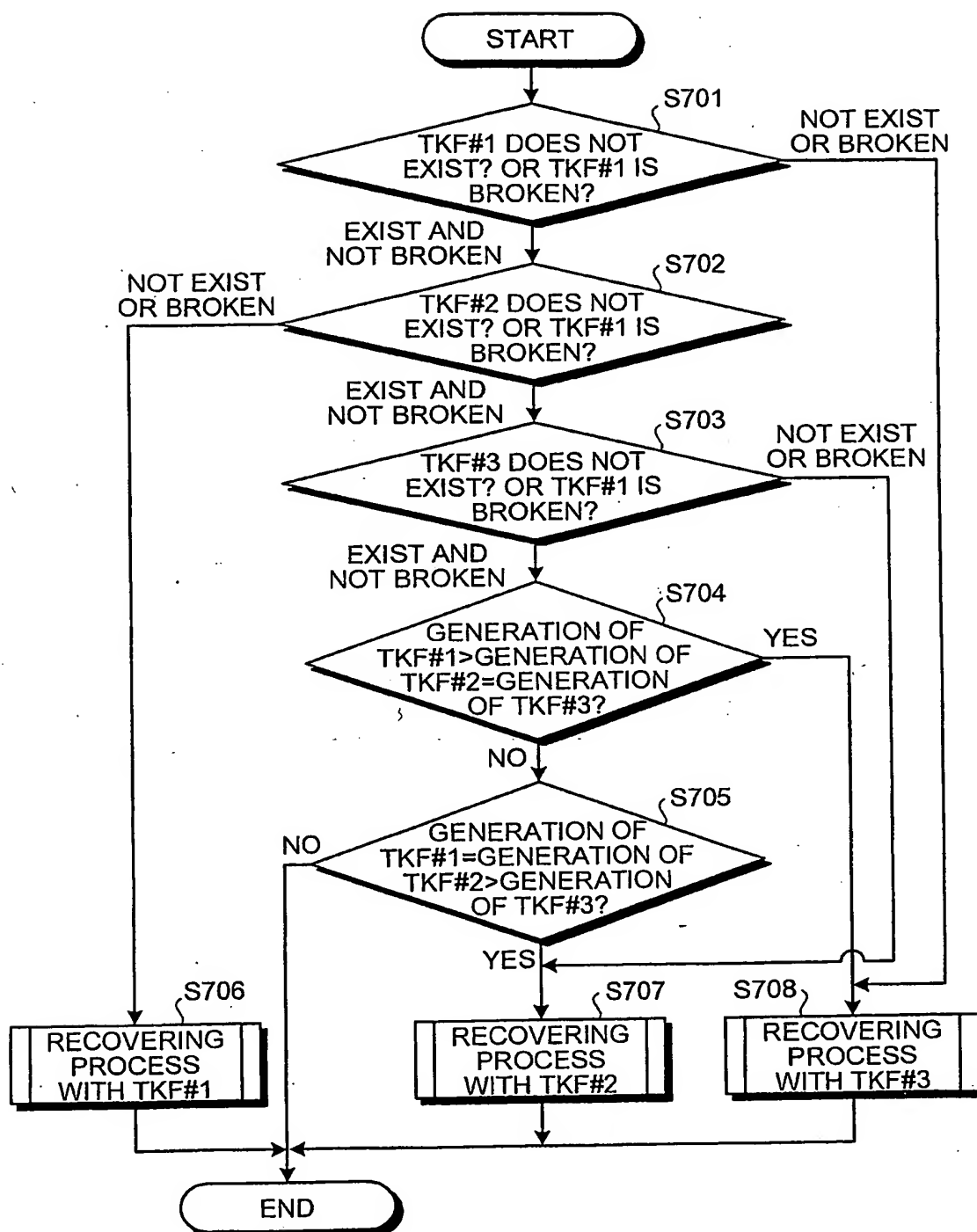
6/19

FIG.6B



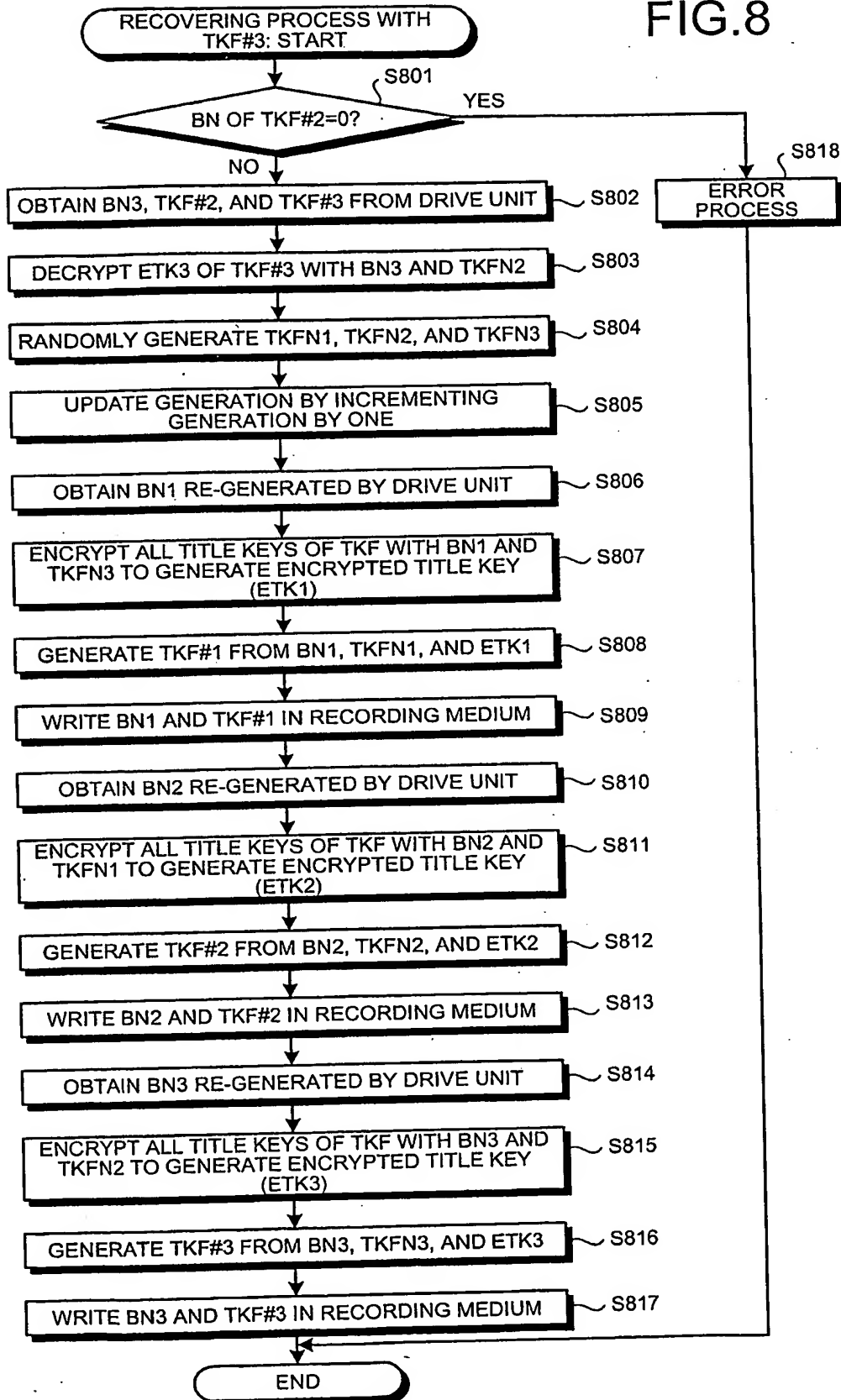
7/19

FIG.7



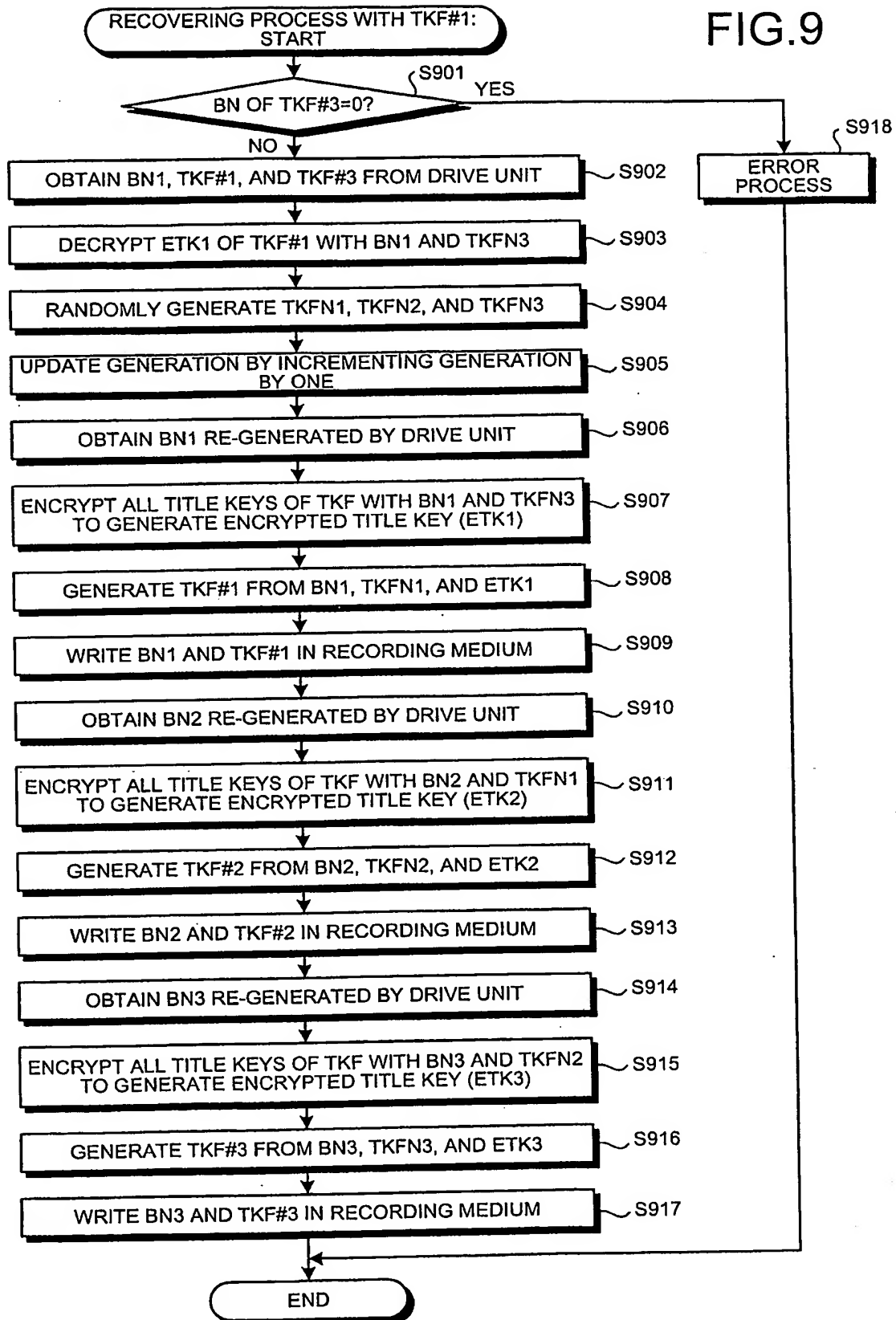
8/19

FIG.8



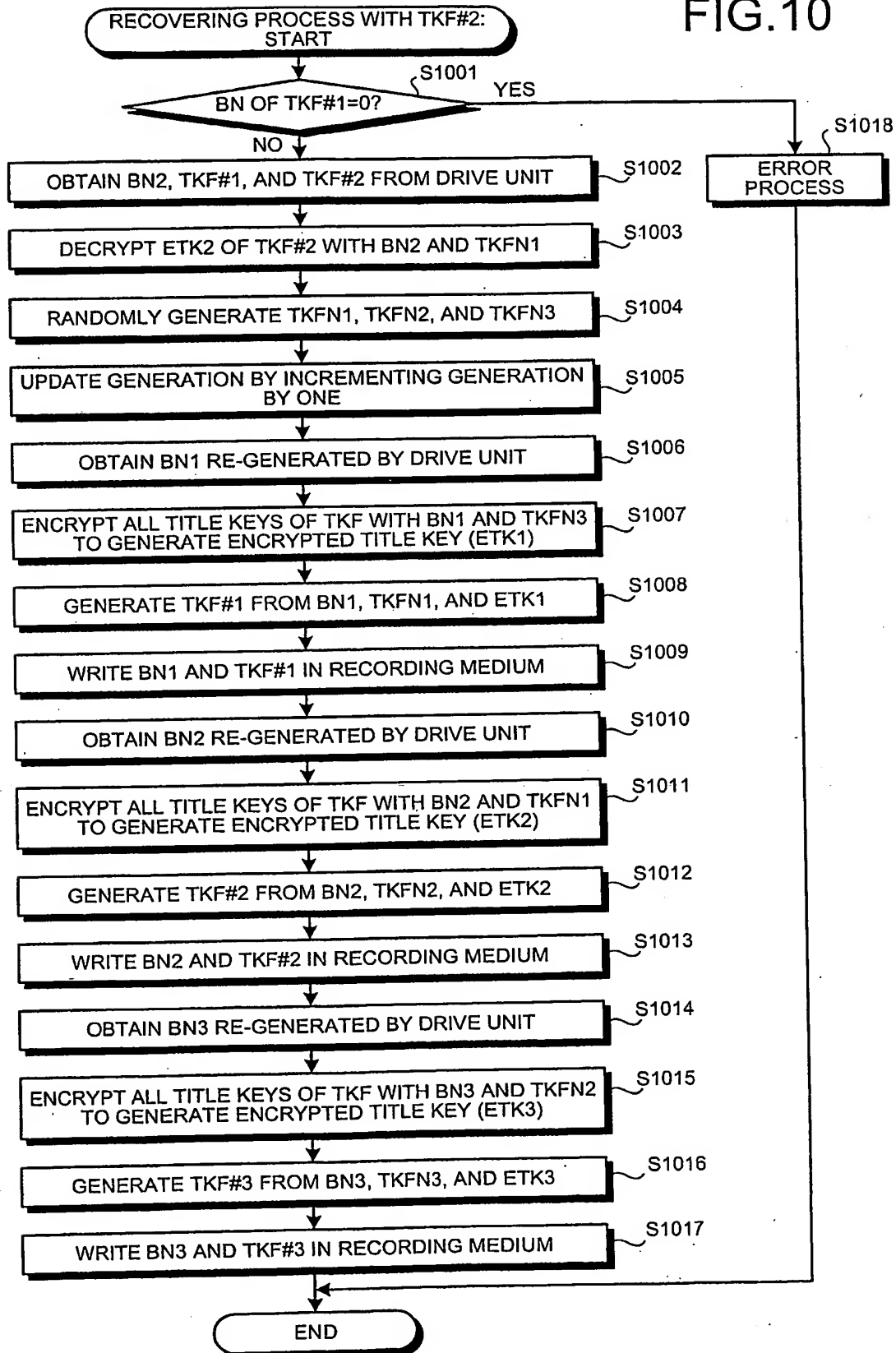
9/19

FIG.9



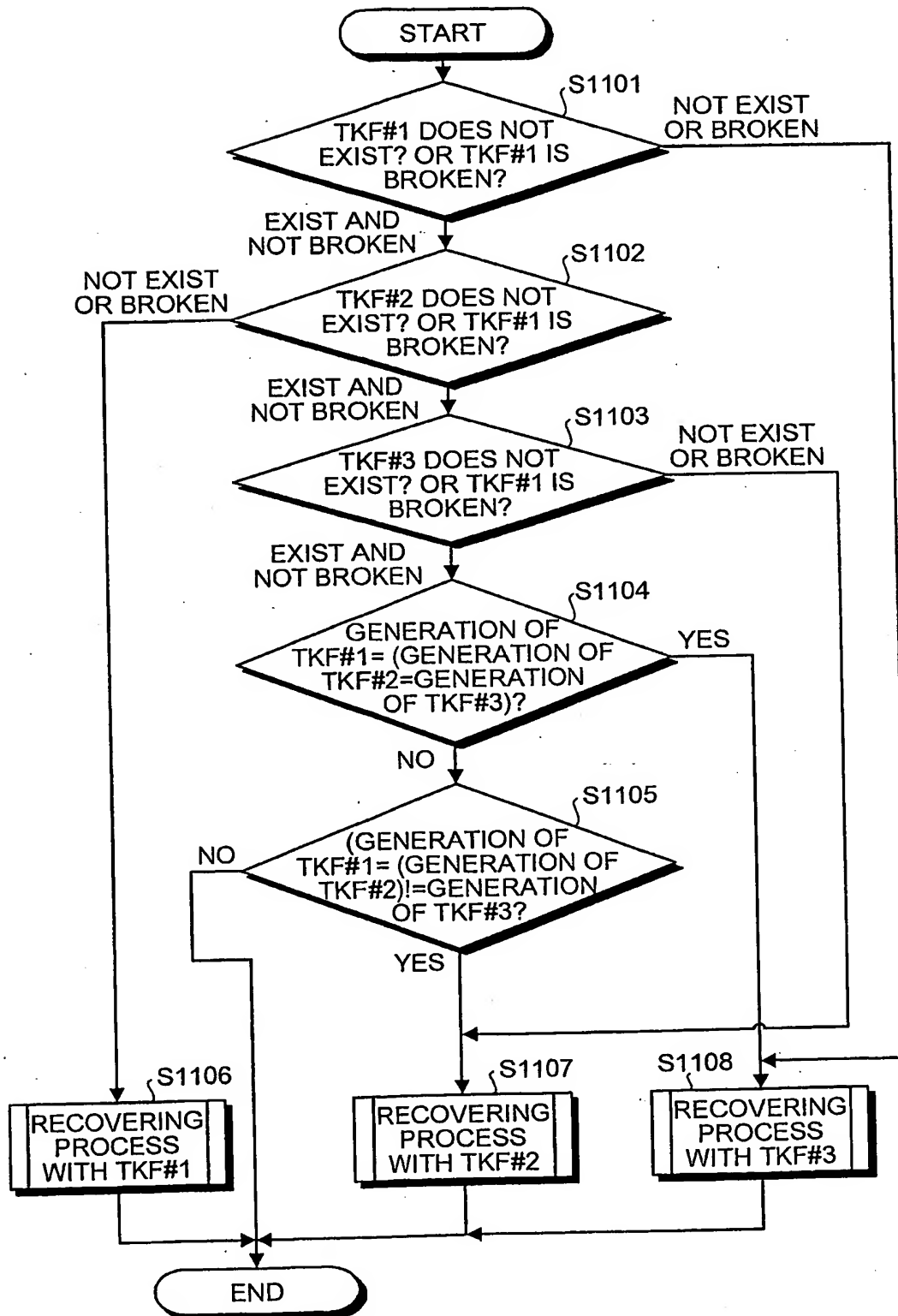
10/19

FIG.10



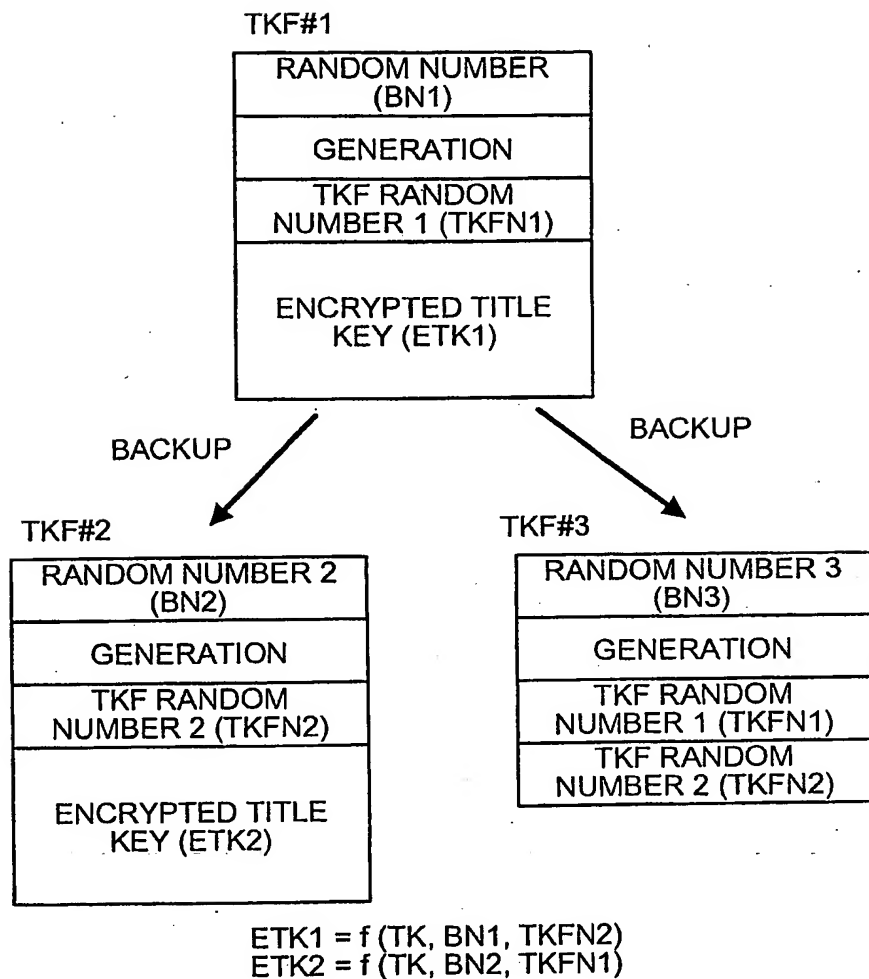
11/19

FIG.11



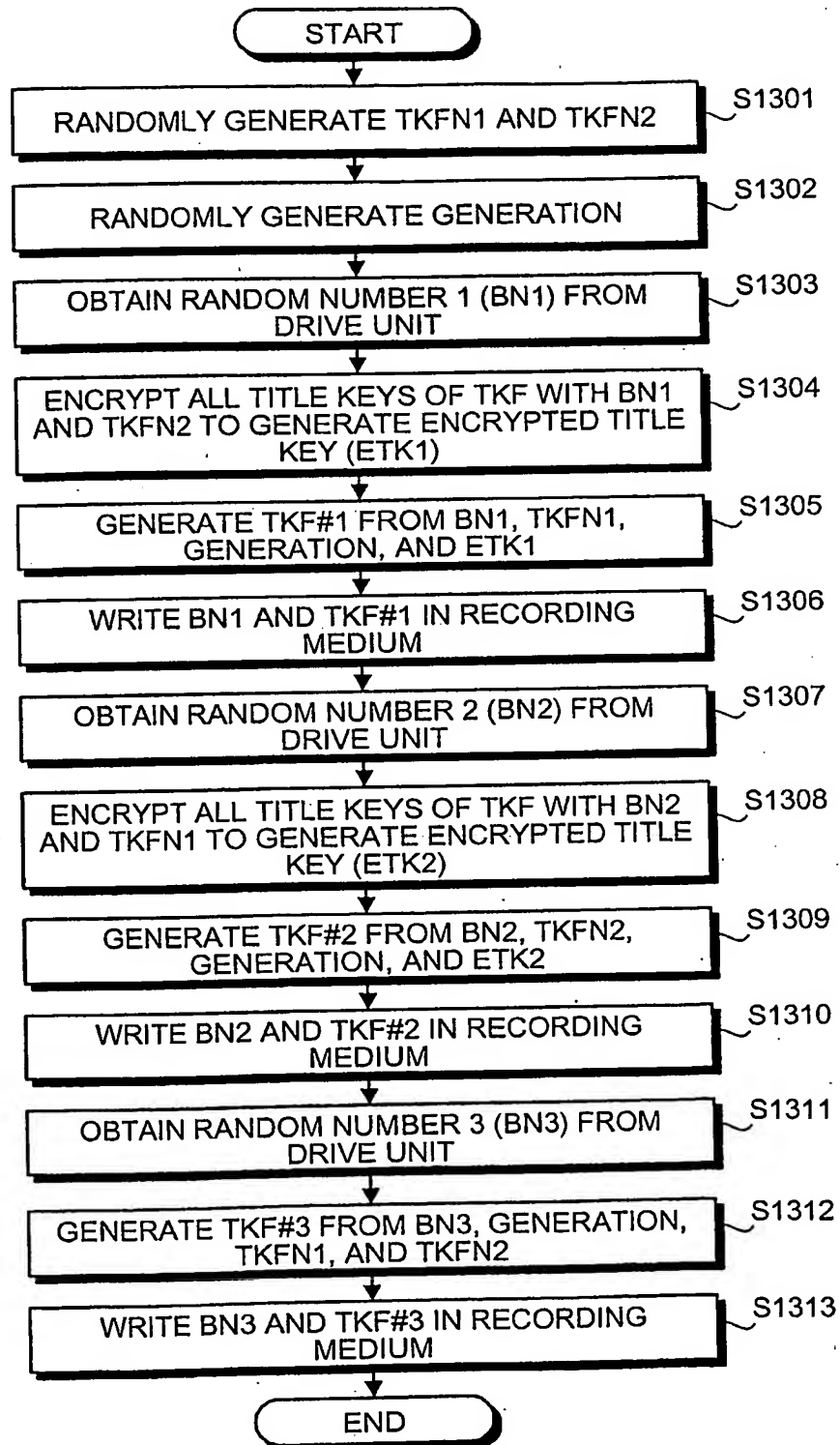
12/19

FIG.12



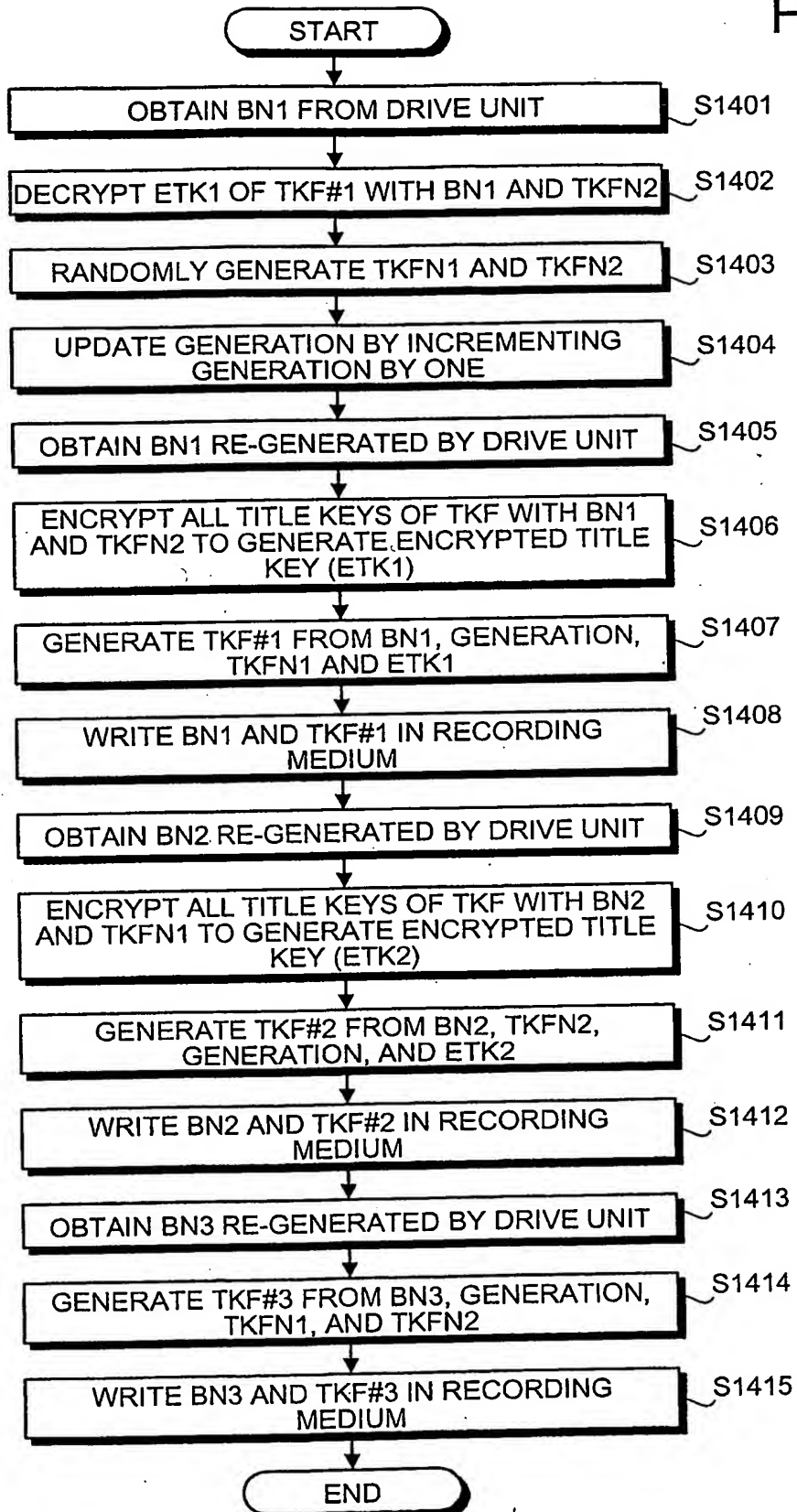
13/19

FIG.13



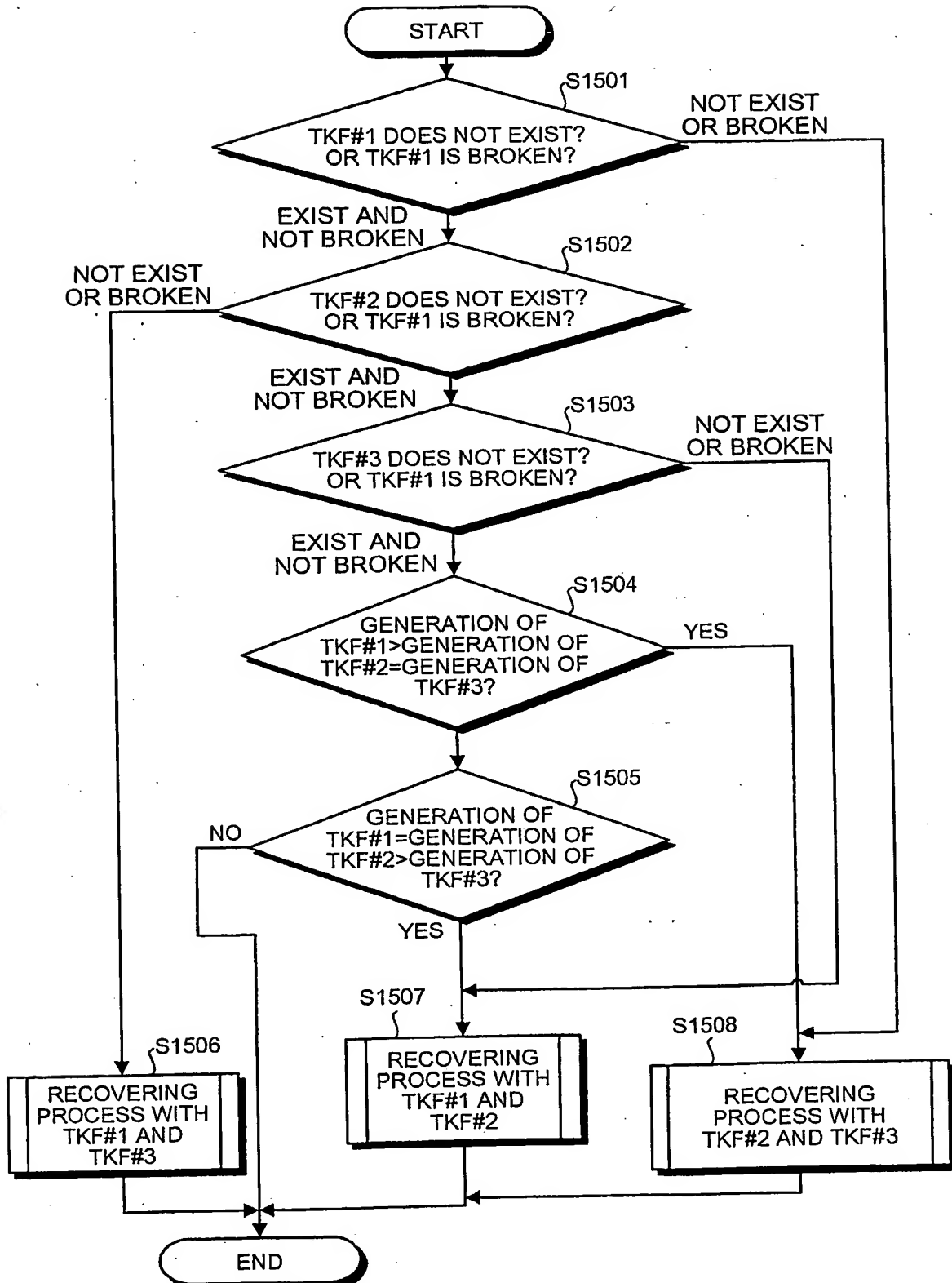
14/19

FIG.14



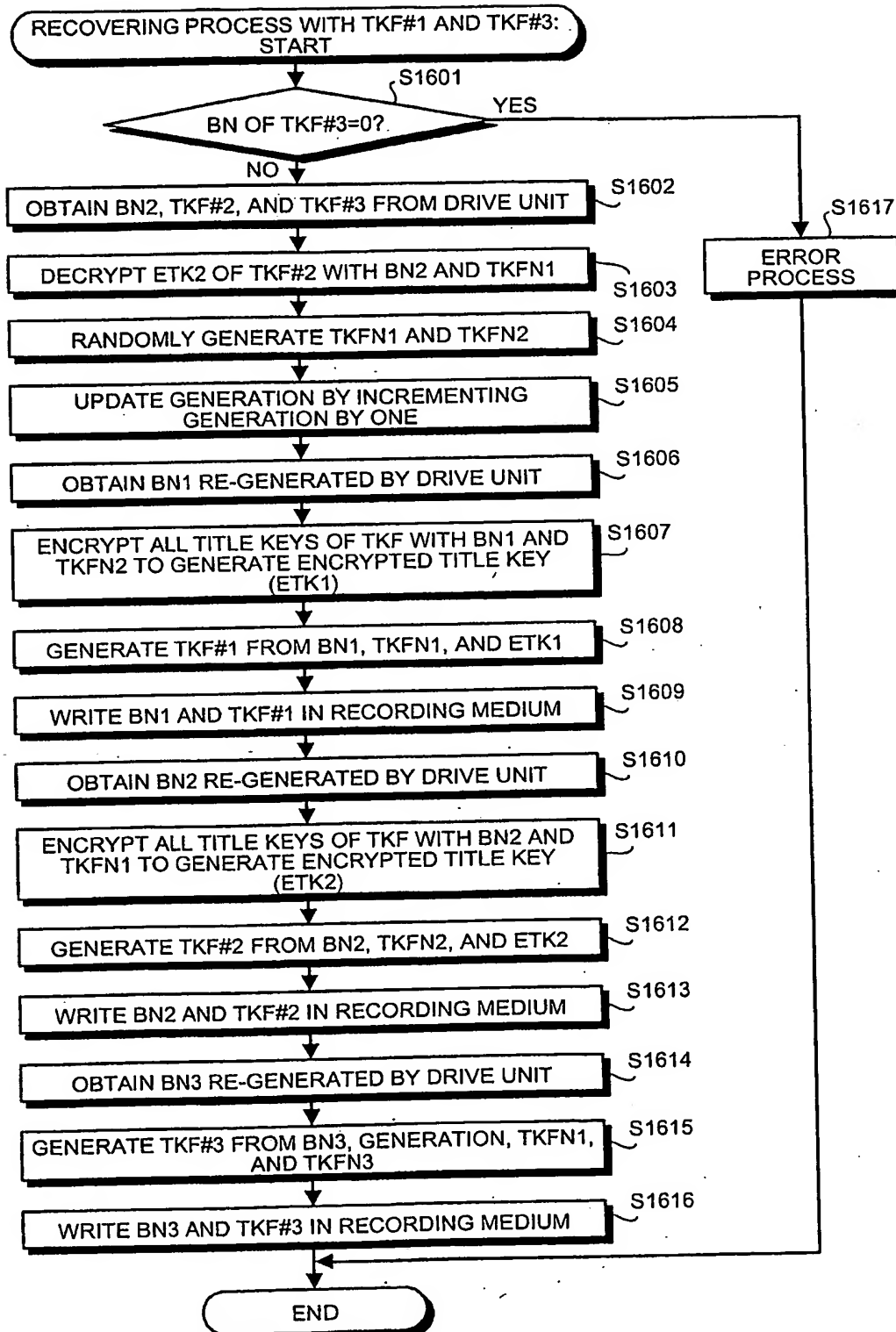
15/19

FIG.15



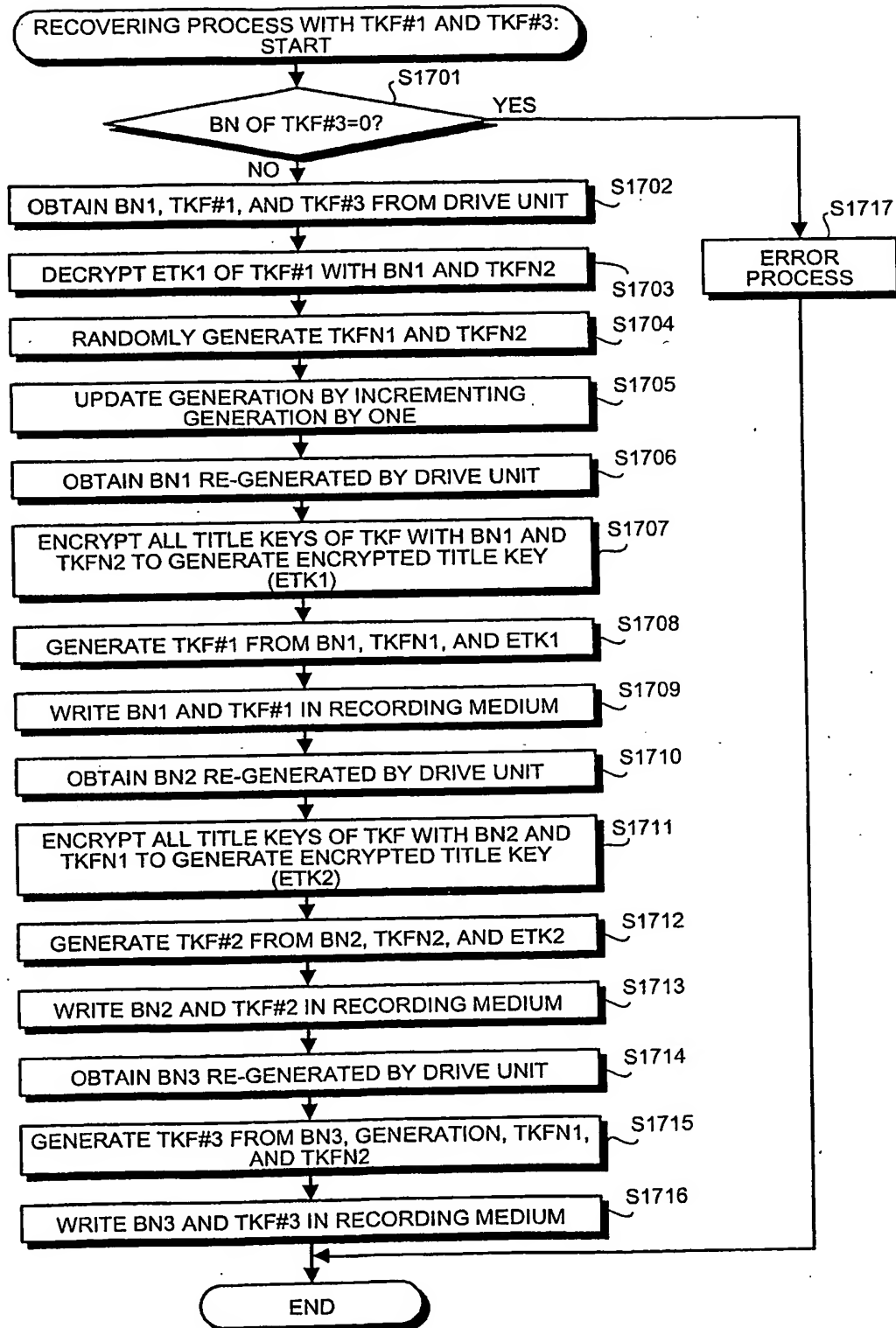
16/19

FIG.16



17/19

FIG.17



18/19

FIG.18

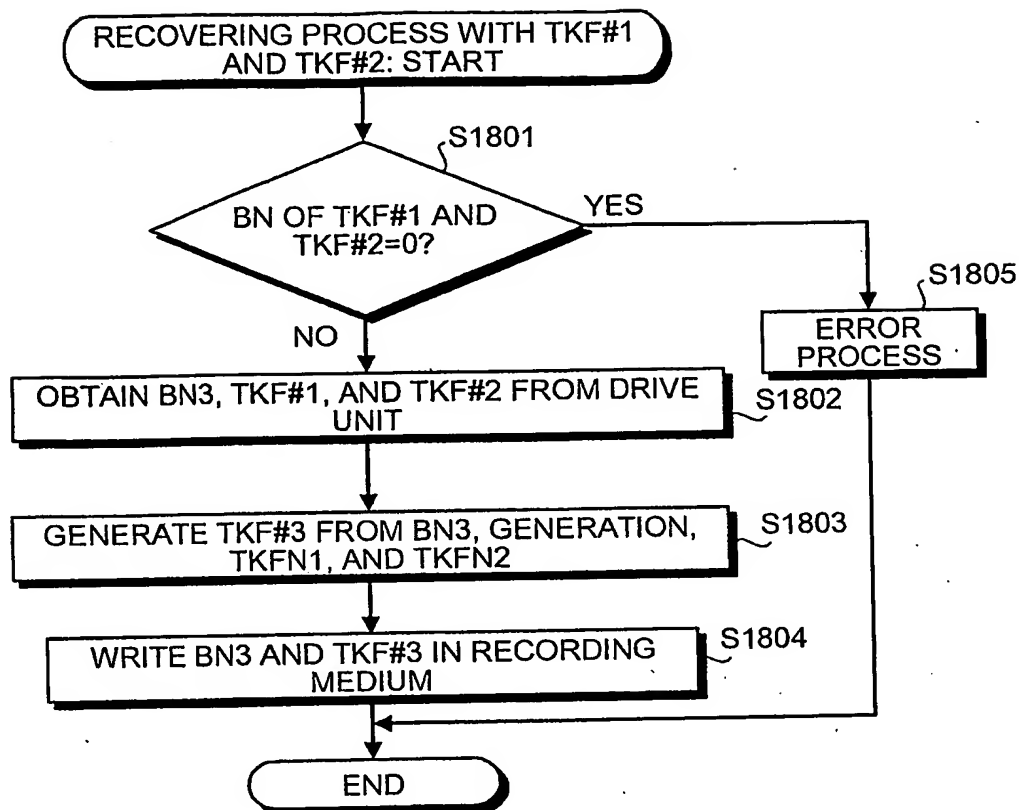


FIG.19

